

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100918\
 Data File : VX005187.D
 Acq On : 10 Oct 2018 04:45
 Operator : JC/MD
 Sample : J5284-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-DUP03-20181003

Quant Time: Oct 10 06:02:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	186038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	284115	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162840	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	140823	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
35) Dibromofluoromethane	5.49	113	121118	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
50) Toluene-d8	8.72	98	413582	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.14	95	152119	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	

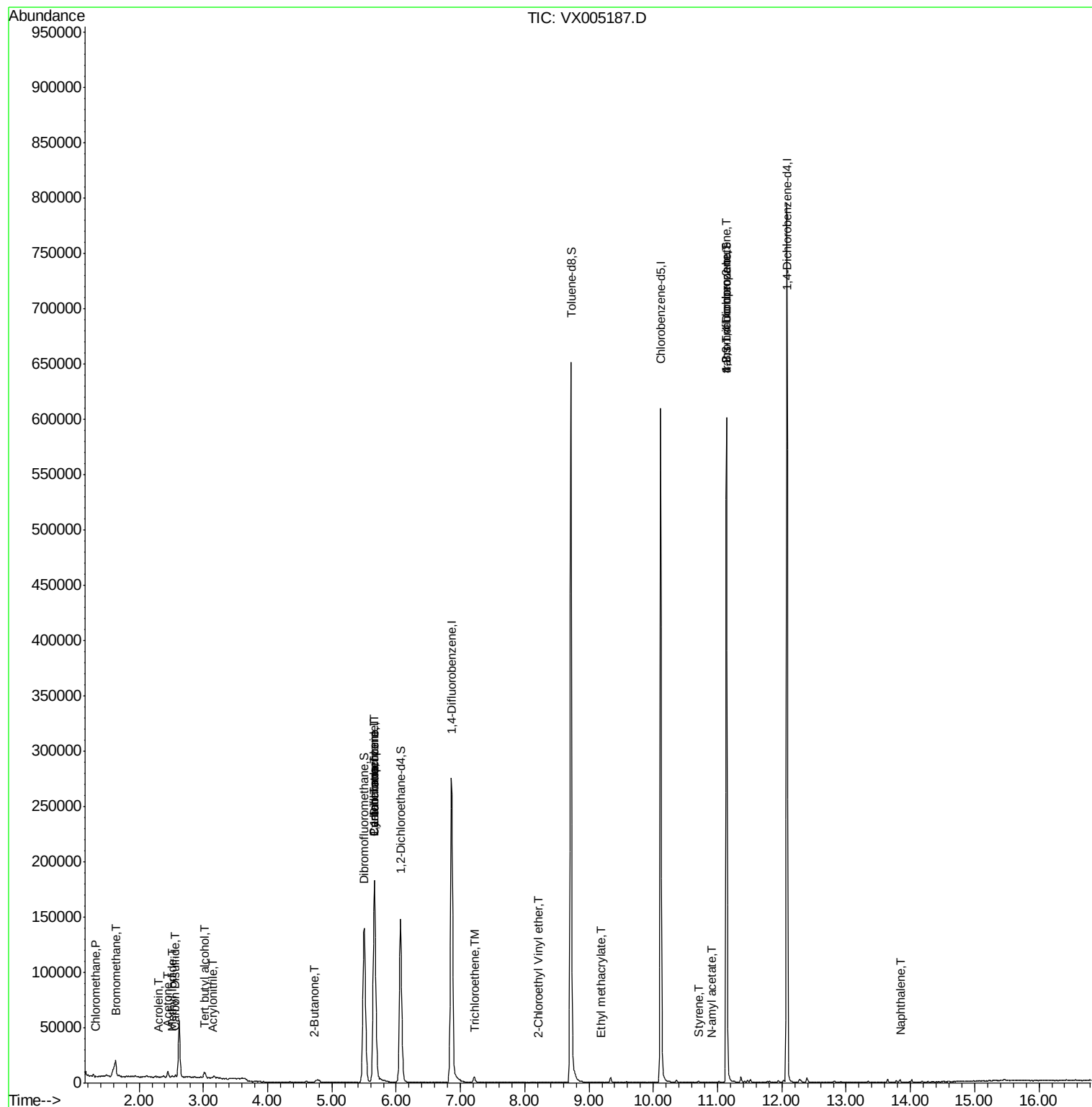
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	669	0.217	ug/l #	63
5) Bromomethane	1.64	94	1169	0.683	ug/l	85
6) Chloroethane	1.61	64	217	Below Cal	#	48
10) Methyl Iodide	2.51	142	932	0.342	ug/l #	91
11) Tert butyl alcohol	3.02	59	3280	4.414	ug/l #	76
13) Acrolein	2.30	56	242	0.458	ug/l #	18
15) Acrylonitrile	3.15	53	700	0.428	ug/l #	83
16) Acetone	2.45	43	5843	3.766	ug/l	95
17) Carbon Disulfide	2.57	76	2181	0.360	ug/l #	92
20) Methylene Chloride	2.86	84	223	Below Cal	#	60
25) 2-Butanone	4.72	43	925	0.404	ug/l #	86
31) Cyclohexane	5.67	56	3662	1.083	ug/l #	21
36) 1,1-Dichloropropene	5.66	75	12528	3.813	ug/l #	42
38) Carbon Tetrachloride	5.66	117	16113	4.666	ug/l #	19
44) Trichloroethene	7.21	130	2065	0.817	ug/l	89
56) Ethyl methacrylate	9.19	69	80	2.881	ug/l #	90
58) 2-Chloroethyl Vinyl ether	8.21	63	46	14.262	ug/l #	49
70) Styrene	10.72	104	216	2.167	ug/l #	25
74) N-amyl acetate	10.91	43	207	1.783	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	74295	20.356	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	516	Below Cal		100
81) trans-1,4-Dichloro-2-buten	11.14	75	74295	55.298	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	701	Below Cal		96
95) Naphthalene	13.84	128	1431	0.824	ug/l #	94

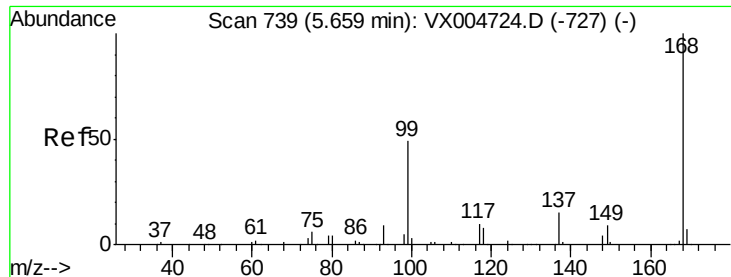
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100918\
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Quant Time: Oct 10 06:02:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005187.D

Acq: 10 Oct 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

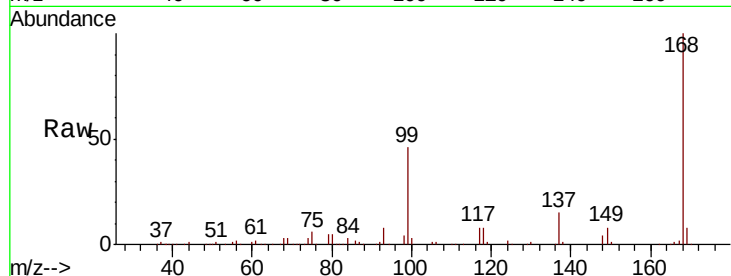
TT-DUP03-20181003

Tot Ion:168 Resp: 186038

Ion Ratio Lower Upper

168 100

99 46.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

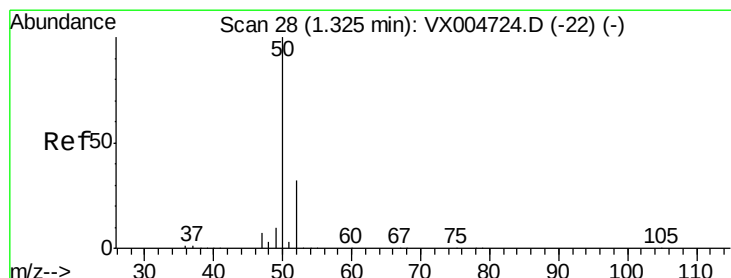
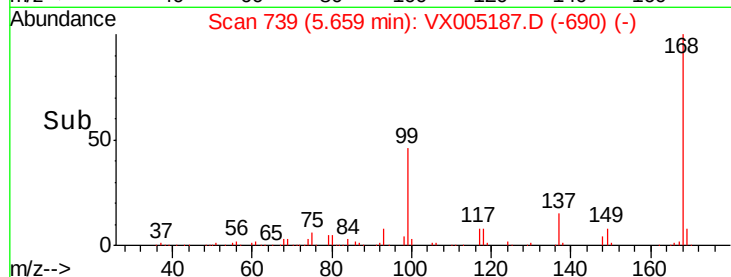
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005187.D

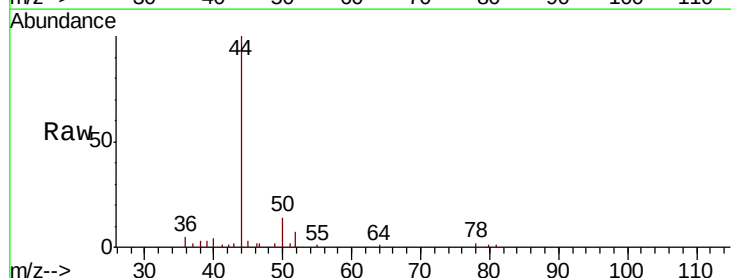
Acq: 10 Oct 2018 04:45

Tgt Ion: 50 Resp: 669

Ion Ratio Lower Upper

50 100

52 53.1 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

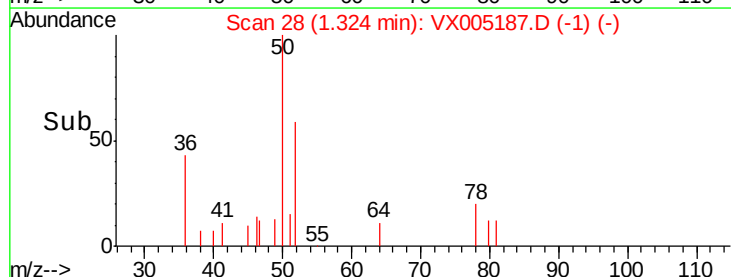
300

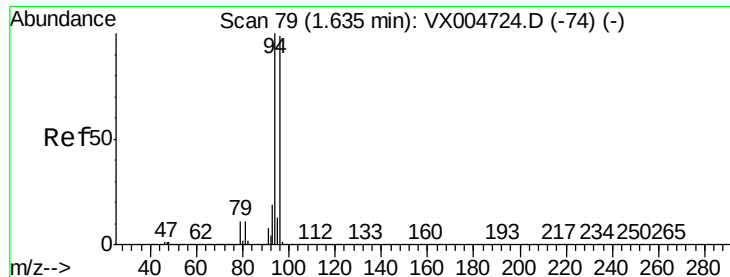
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.683 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005187.D

Acq: 10 Oct 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

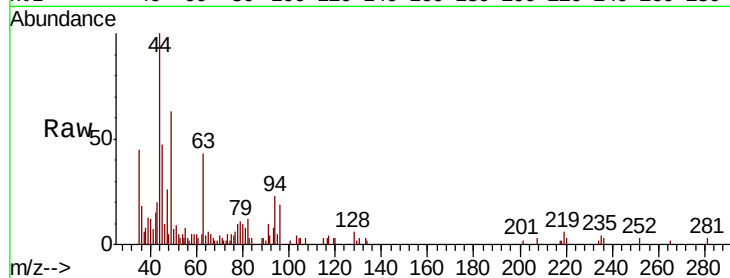
TT-DUP03-20181003

Tot Ion: 94 Resp: 1169

Ion Ratio Lower Upper

94 100

96 84.2 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

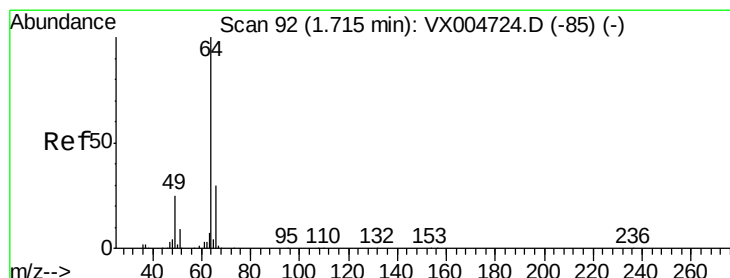
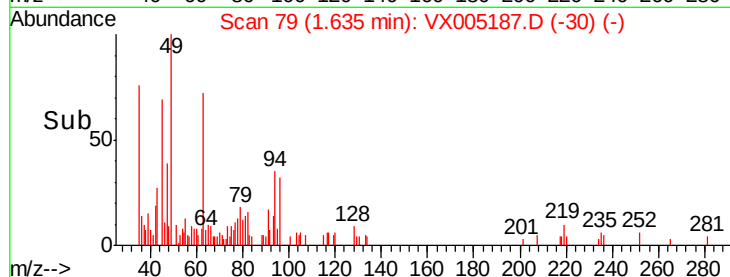
400

200

0

1.55 1.60 1.65 1.70 1.75

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.61 min Scan# 75

Delta R.T. -0.10 min

Lab File: VX005187.D

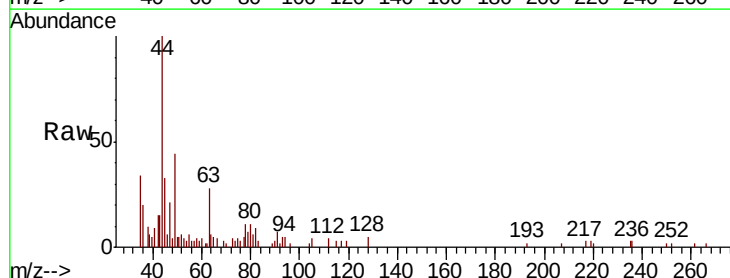
Acq: 10 Oct 2018 04:45

Tgt Ion: 64 Resp: 217

Ion Ratio Lower Upper

64 100

66 1.9 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

200

150

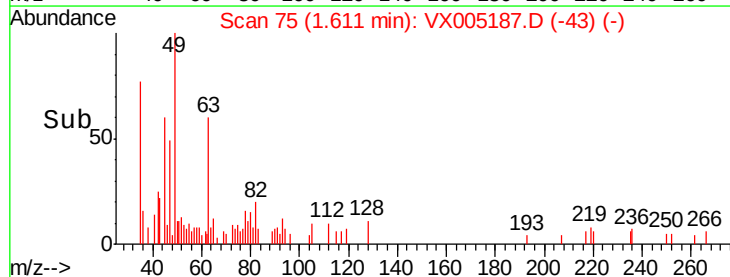
100

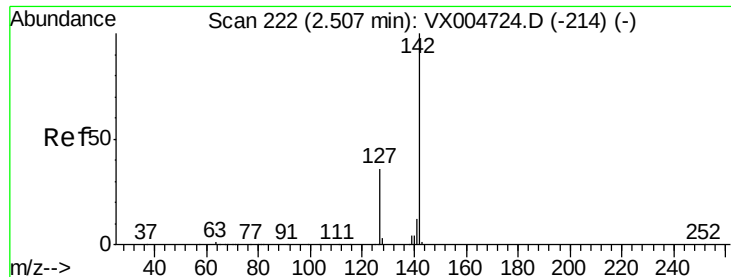
50

0

1.58 1.60 1.62

Time-->

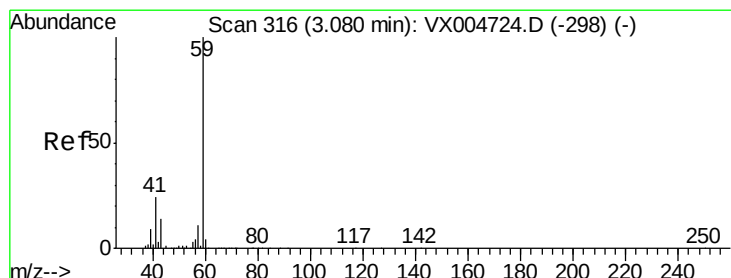
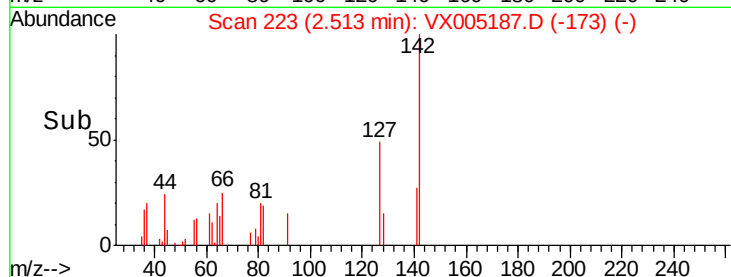
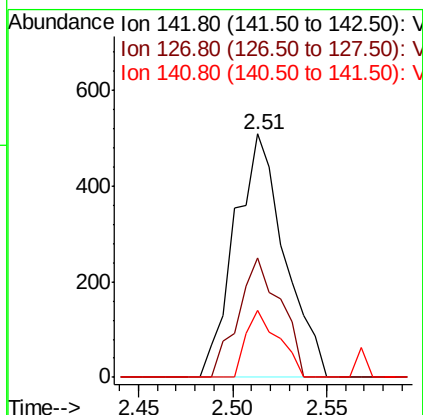
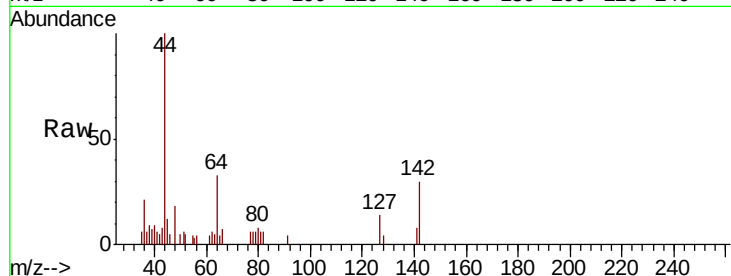




#10
Methvl Iodide
Concen: 0.342 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005187.D
Acq: 10 Oct 2018 04:45

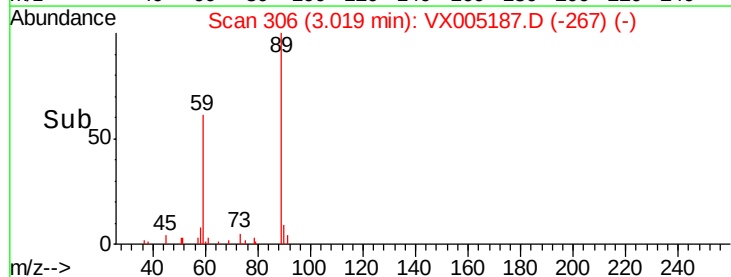
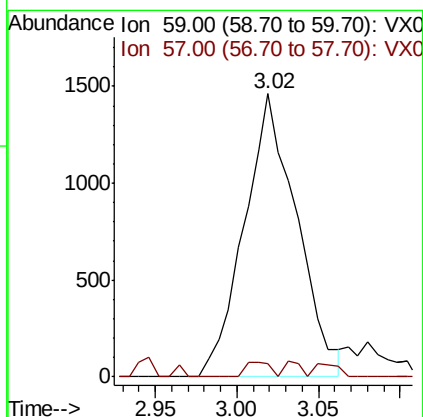
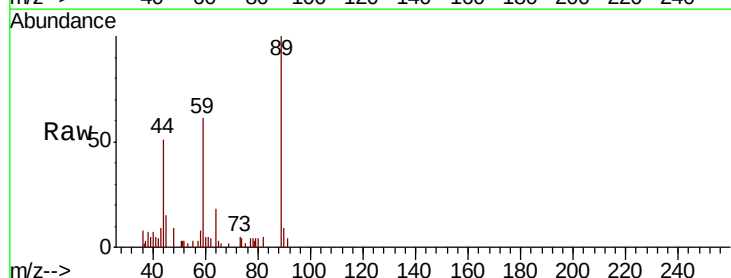
Instrument :
MSVOA_X
ClientSampleId :
TT-DUP03-20181003

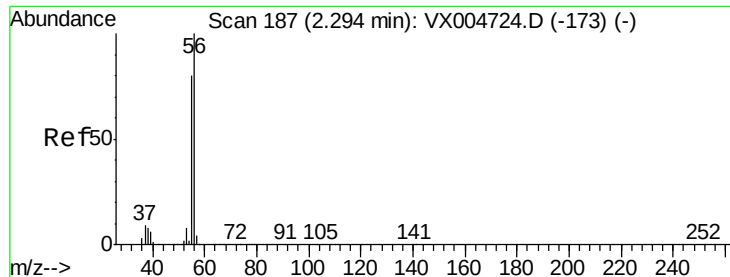
Tot Ion:142 Resp: 932
Ion Ratio Lower Upper
142 100
127 41.7 30.1 45.1
141 18.0 10.1 15.1#



#11
Tert butyl alcohol
Concen: 4.414 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005187.D
Acq: 10 Oct 2018 04:45

Tgt Ion: 59 Resp: 3280
Ion Ratio Lower Upper
59 100
57 1.7 8.6 12.8#





#13

Acrolein

Concen: 0.458 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005187.D

Acq: 10 Oct 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

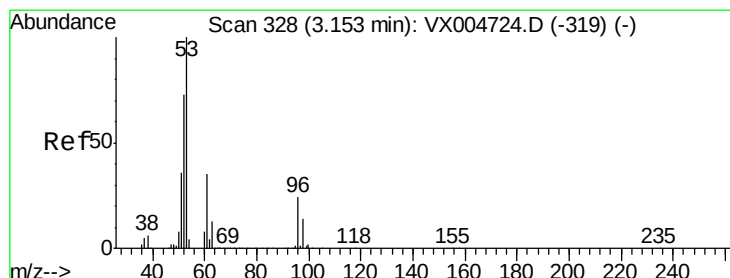
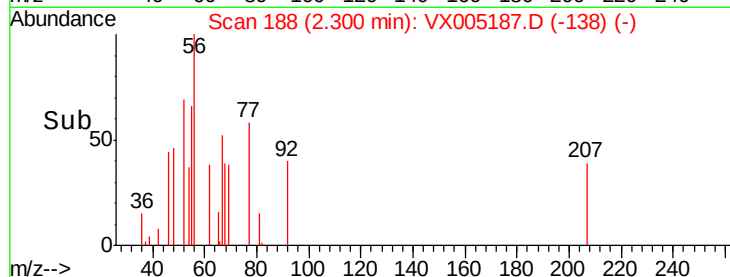
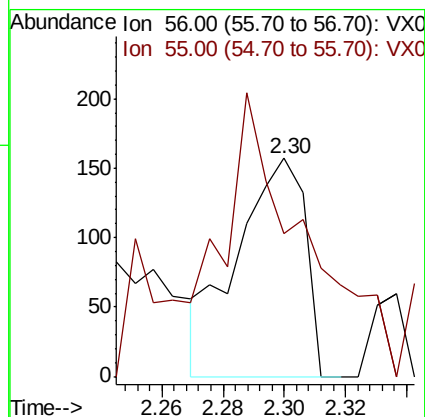
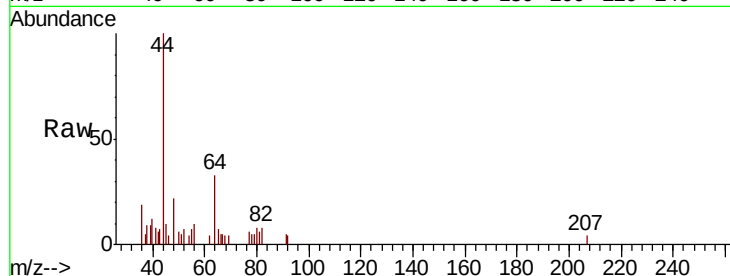
TT-DUP03-20181003

Tot Ion: 56 Resp: 242

Ion Ratio Lower Upper

56 100

55 151.2 63.4 95.2#



#15

Acrylonitrile

Concen: 0.428 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005187.D

Acq: 10 Oct 2018 04:45

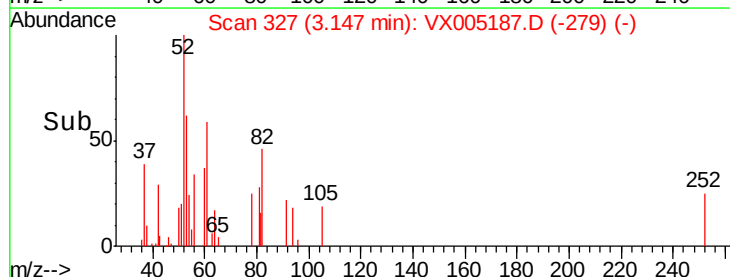
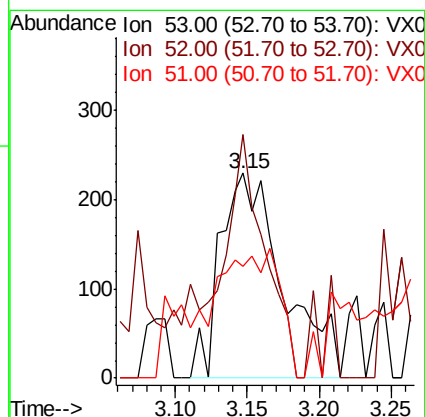
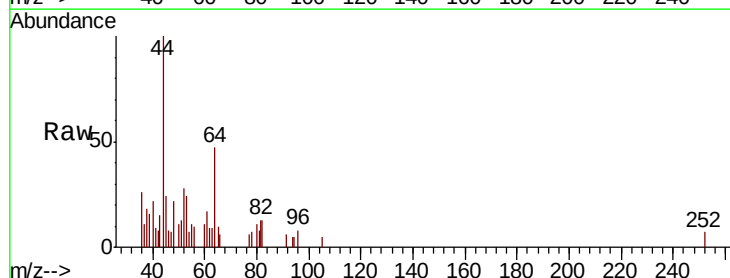
Tgt Ion: 53 Resp: 700

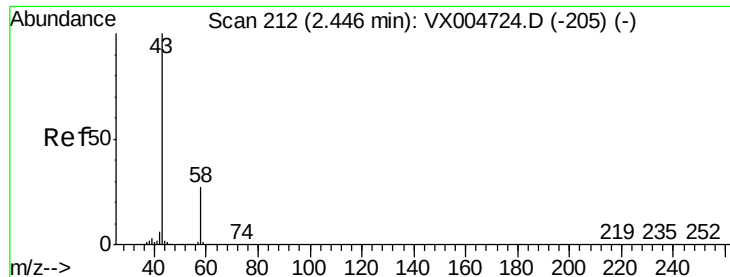
Ion Ratio Lower Upper

53 100

52 70.7 63.0 94.4

51 55.9 28.6 42.8#





#16

Acetone

Concen: 3.766 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005187.D

Acq: 10 Oct 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

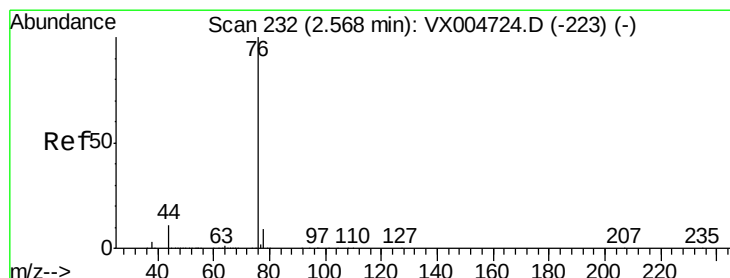
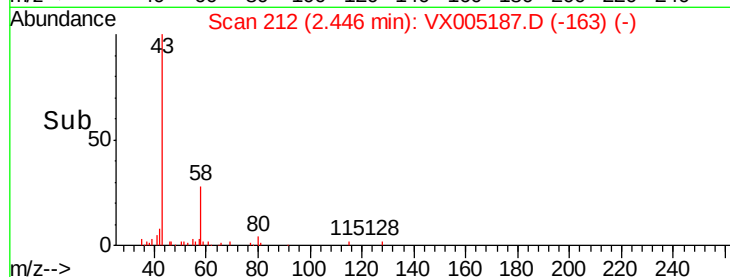
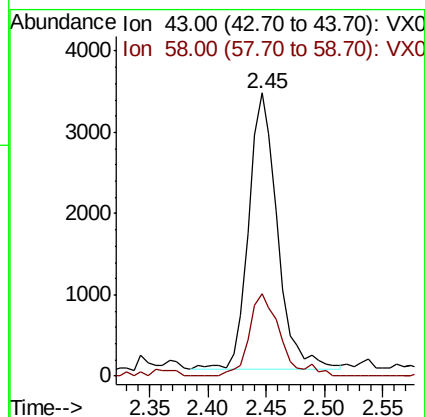
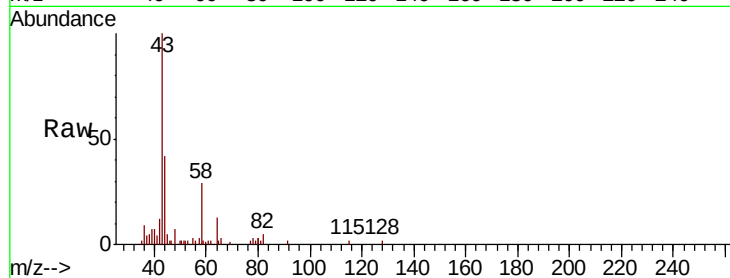
TT-DUP03-20181003

Tot Ion: 43 Resp: 5843

Ion Ratio Lower Upper

43 100

58 29.9 21.8 32.6



#17

Carbon Disulfide

Concen: 0.360 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005187.D

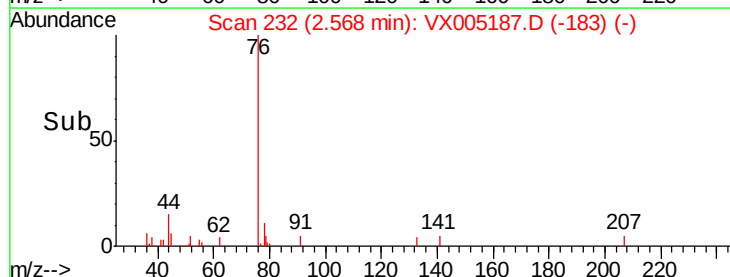
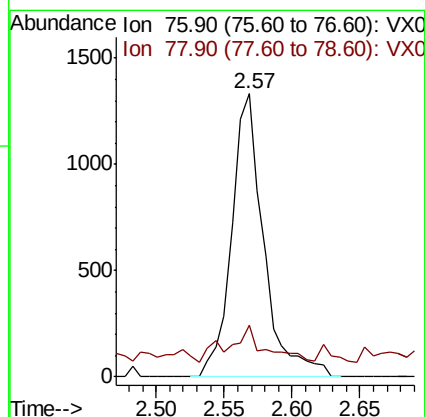
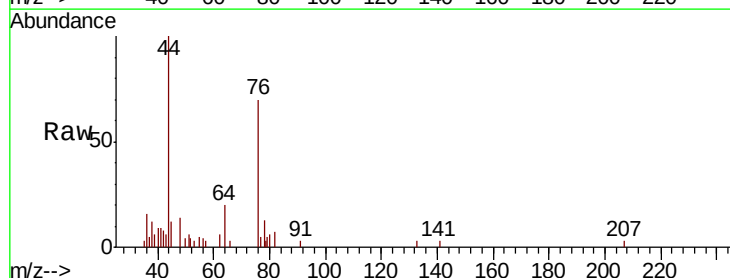
Acq: 10 Oct 2018 04:45

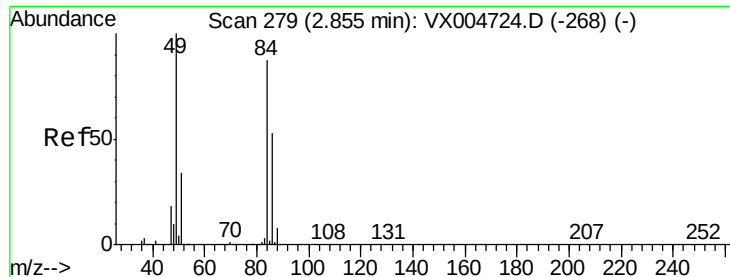
Tgt Ion: 76 Resp: 2181

Ion Ratio Lower Upper

76 100

78 11.6 7.0 10.6#

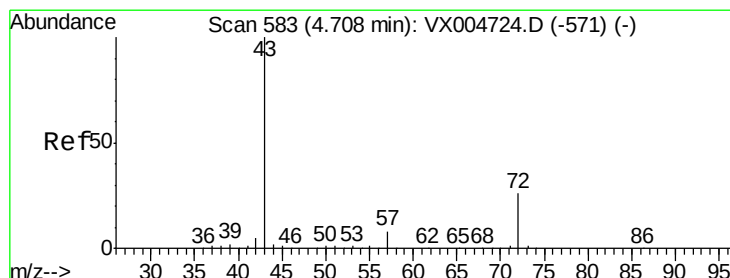
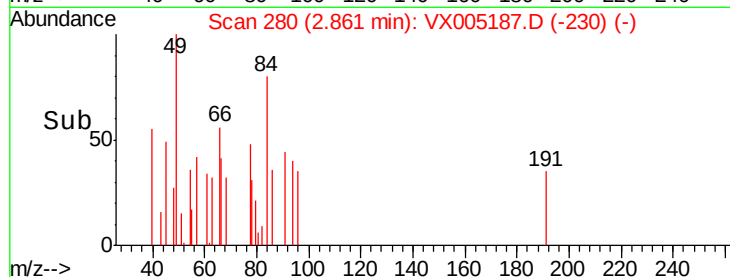
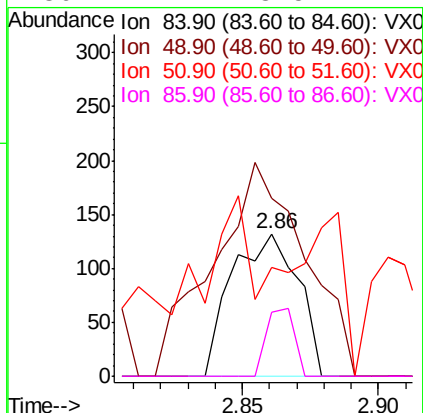
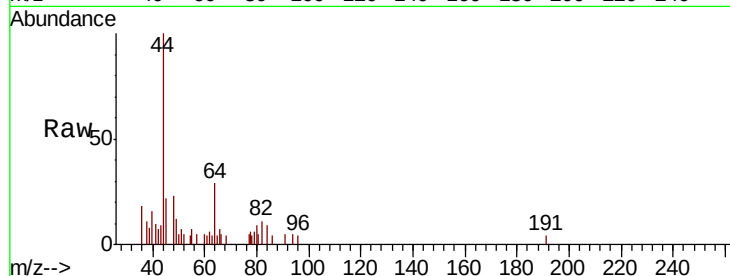




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005187.D
Acq: 10 Oct 2018 04:45

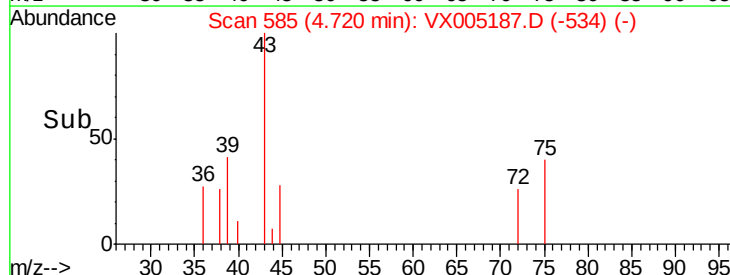
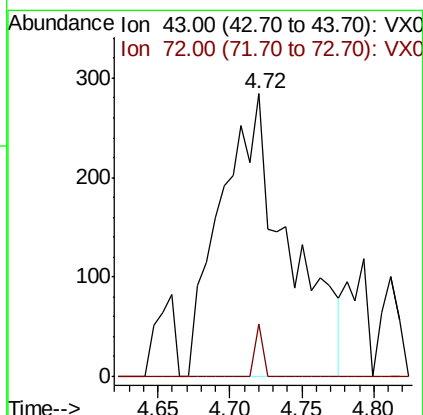
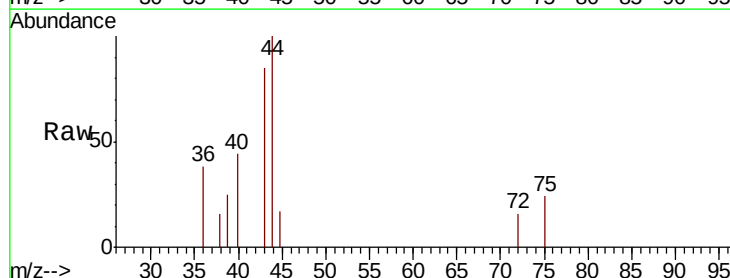
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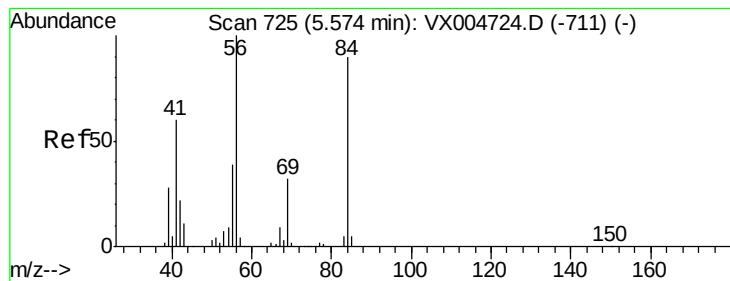
Tot Ion: 84 Resp: 223
Ion Ratio Lower Upper
84 100
49 71.2 92.3 138.5#
51 0.0 31.8 47.6#
86 44.7 48.5 72.7#



#25
2-Butanone
Concen: 0.404 ug/l
RT: 4.72 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX005187.D
Acq: 10 Oct 2018 04:45

Tgt Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
72 18.7 20.8 31.2#





#31

Cyclohexane

Concen: 1.083 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005187.D

Acq: 10 Oct 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

TT-DUP03-20181003

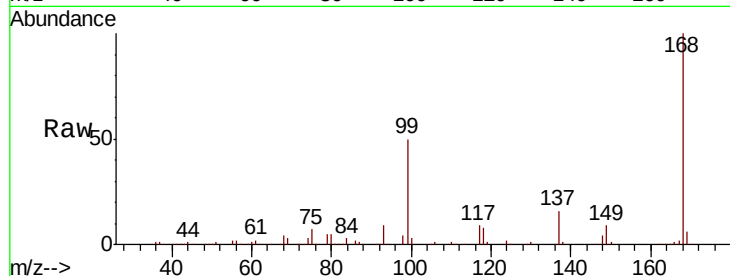
Tot Ion: 56 Resp: 3662

Ion Ratio Lower Upper

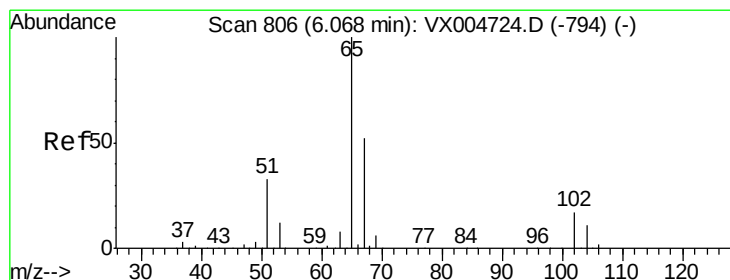
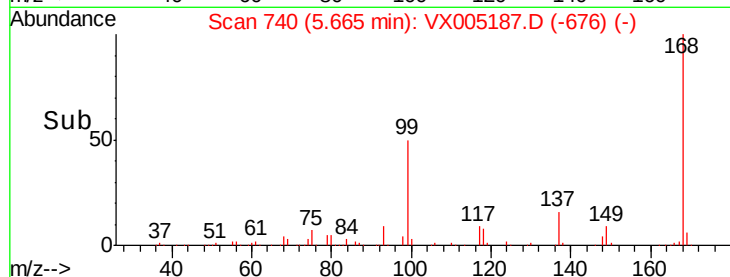
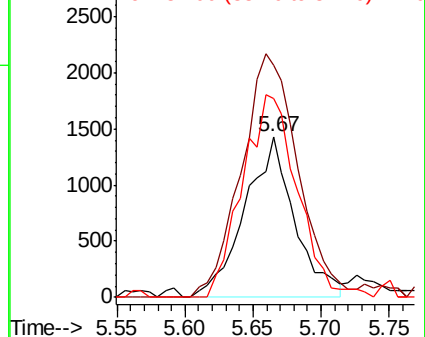
56 100

69 144.3 25.9 38.9#

84 123.8 71.9 107.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.990 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005187.D

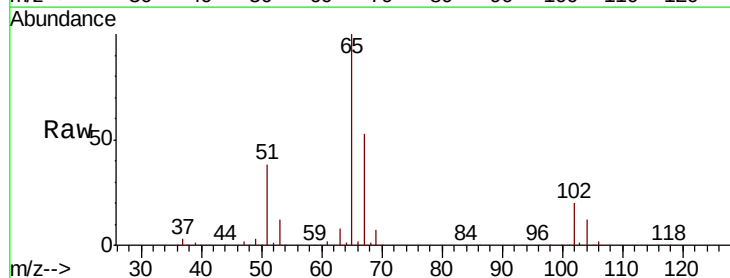
Acq: 10 Oct 2018 04:45

Tgt Ion: 65 Resp: 140823

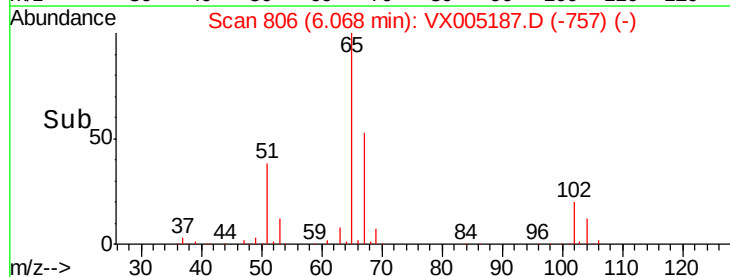
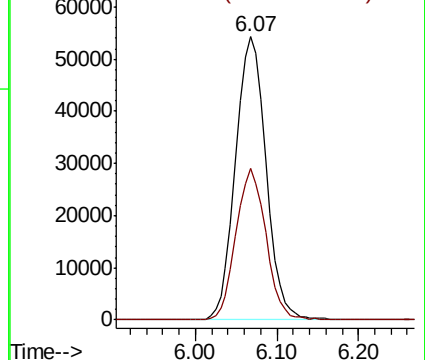
Ion Ratio Lower Upper

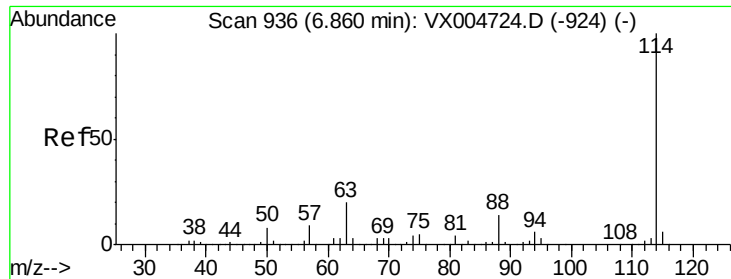
65 100

67 52.5 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

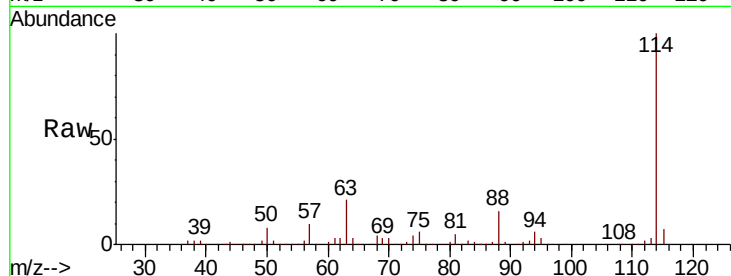




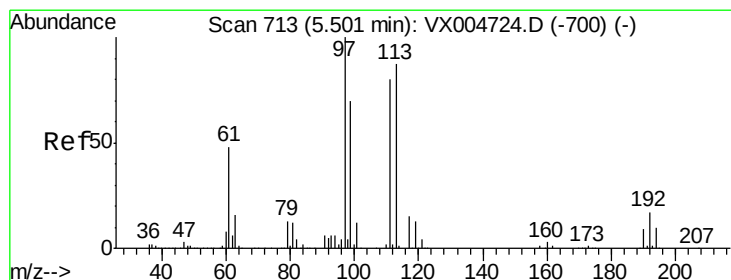
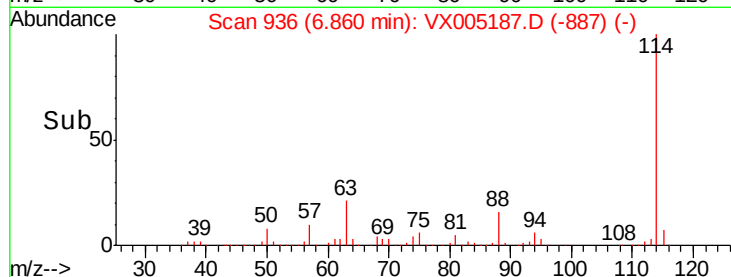
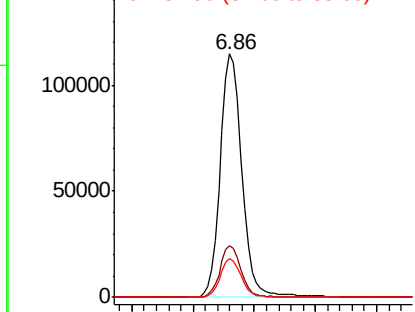
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005187.D
 Acq: 10 Oct 2018 04:45

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-DUP03-20181003

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	39.8
88	16.0	0.0	27.0

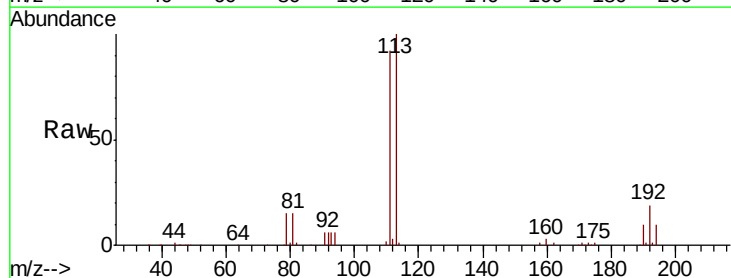


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

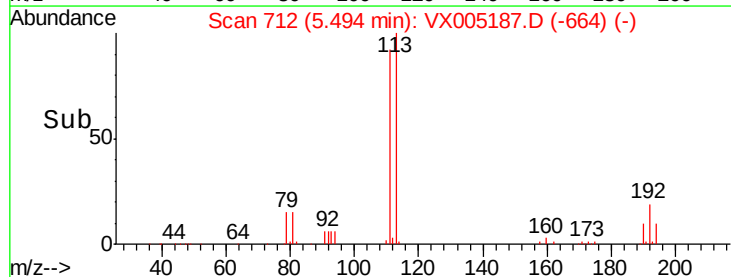
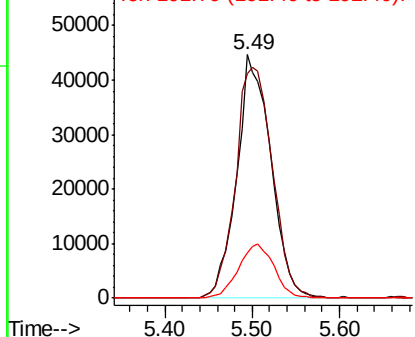


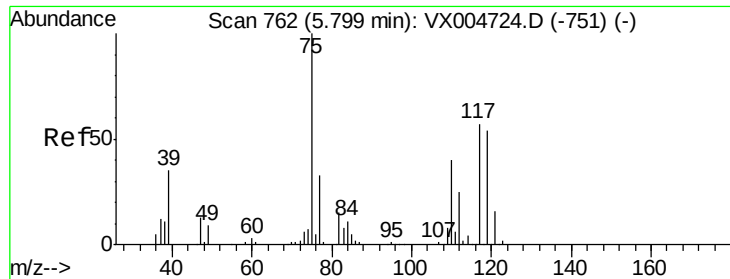
#35
 Dibromofluoromethane
 Concen: 50.300 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005187.D
 Acq: 10 Oct 2018 04:45

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	77.0	115.4
192	23.2	17.0	25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

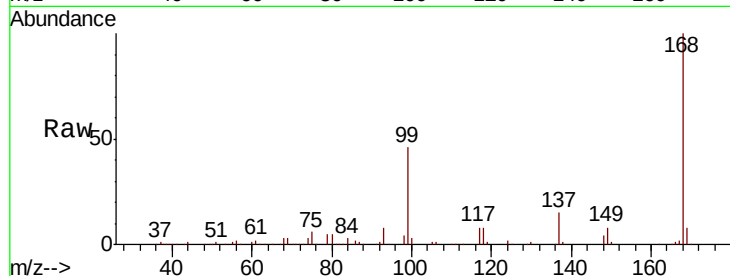




#36
 1,1-Dichloropropene
 Concen: 3.813 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005187.D
 Acq: 10 Oct 2018 04:45

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-DUP03-20181003

Tot Ion	75	Resp	12528
Ion Ratio	Lower	Upper	
75	100		
110	4.7	20.0	59.9#
77	0.0	27.1	40.7#

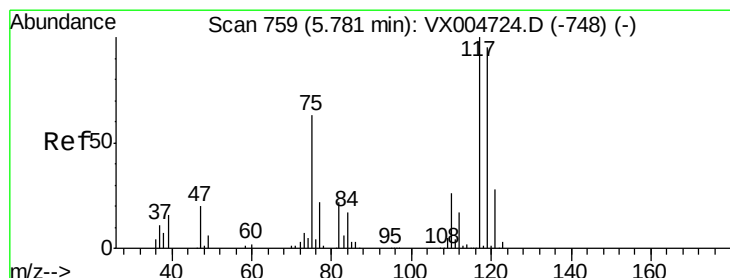
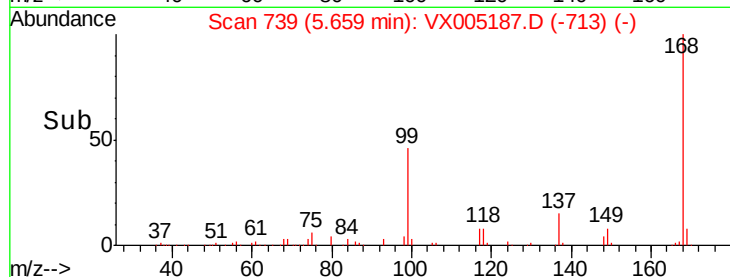
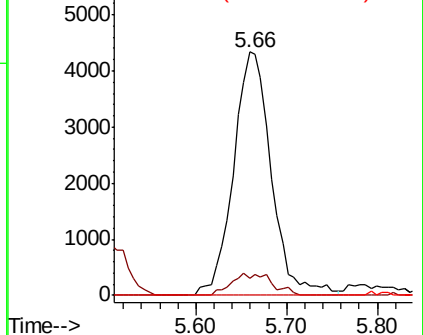


Abundance

Ion 74.90 (74.60 to 75.60): VX0

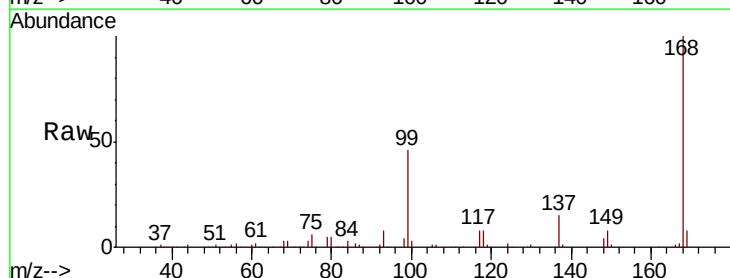
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38
 Carbon Tetrachloride
 Concen: 4.666 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005187.D
 Acq: 10 Oct 2018 04:45

Tgt Ion	117	Resp	16113
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	7.5	75.2	112.8#
121	0.0	22.5	33.7#

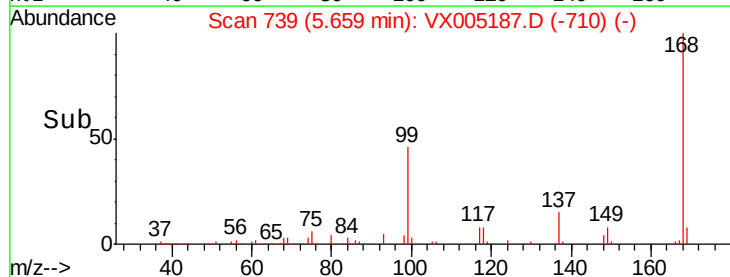
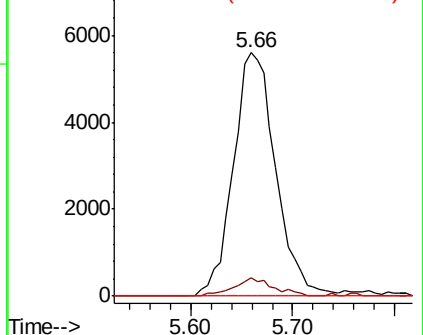


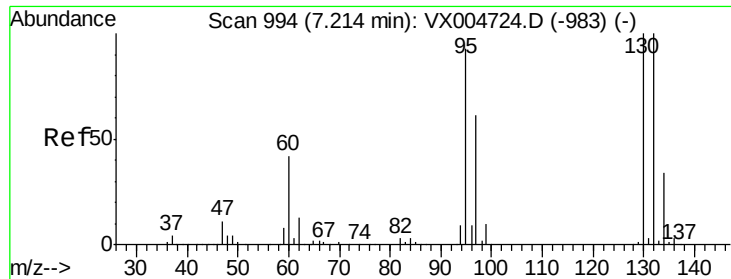
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

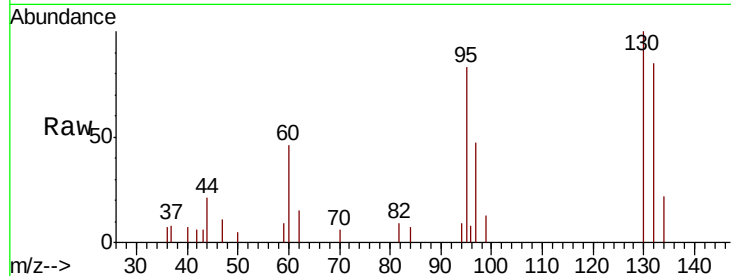




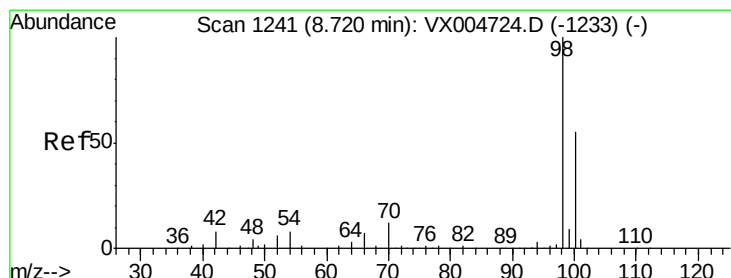
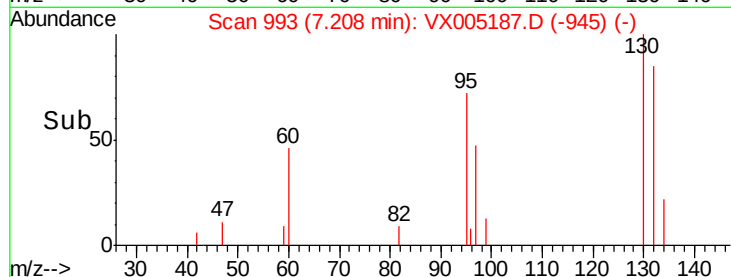
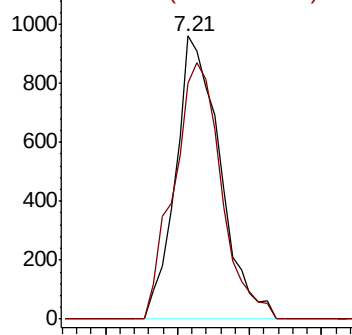
#44
 Trichloroethene
 Concen: 0.817 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX005187.D
 Acq: 10 Oct 2018 04:45

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-DUP03-20181003

Tot Ion:130 Resp: 2065
 Ion Ratio Lower Upper
 130 100
 95 83.2 0.0 186.8

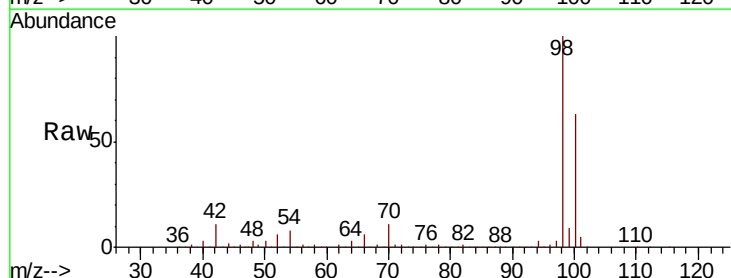


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

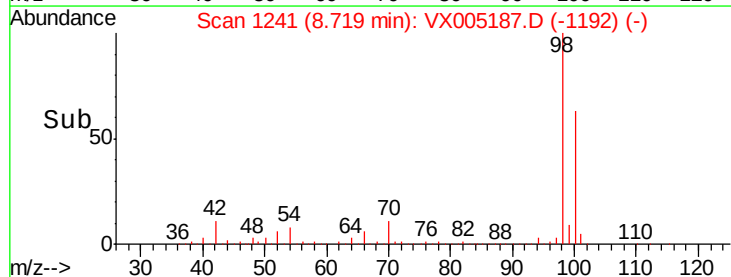
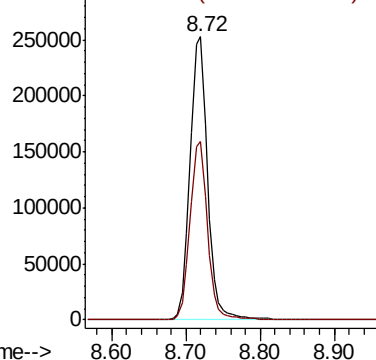


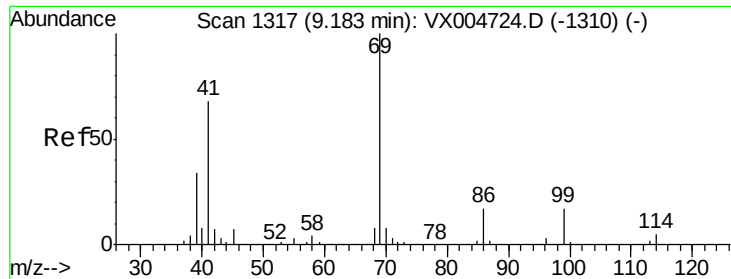
#50
 Toluene-d8
 Concen: 51.665 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VX005187.D
 Acq: 10 Oct 2018 04:45

Tgt Ion: 98 Resp: 413582
 Ion Ratio Lower Upper
 98 100
 100 63.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.881 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VX005187.D

Acq: 10 Oct 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

TT-DUP03-20181003

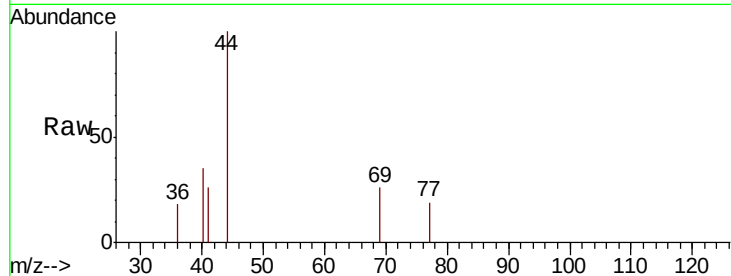
Tot Ion: 69 Resp: 80

Ion Ratio Lower Upper

69 100

41 75.0 56.9 85.3

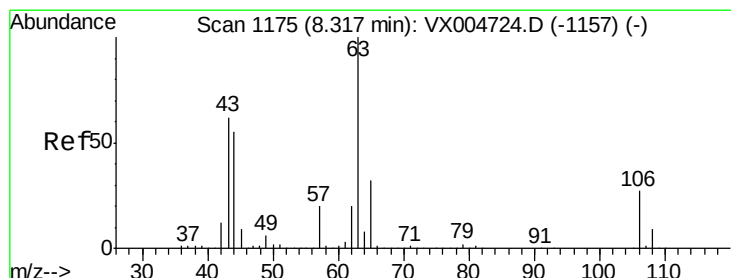
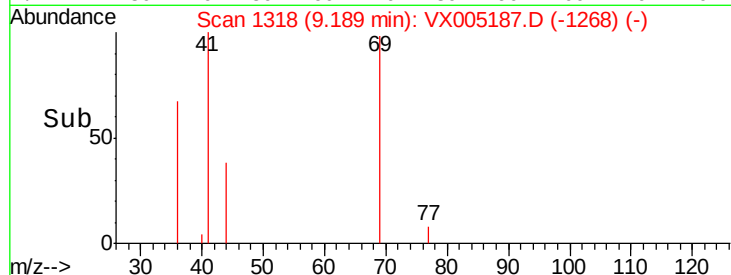
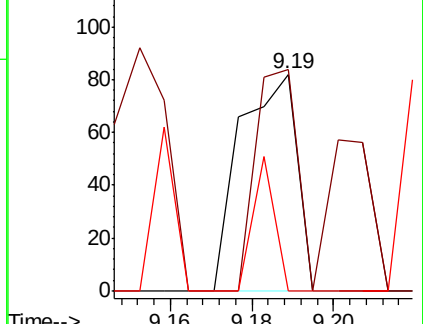
39 23.8 28.4 42.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 14.262 ug/l

RT: 8.21 min Scan# 1158

Delta R.T. -0.10 min

Lab File: VX005187.D

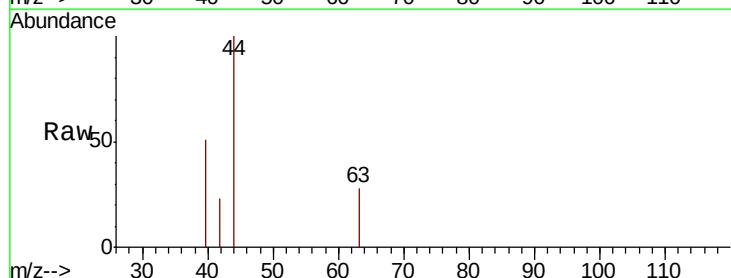
Acq: 10 Oct 2018 04:45

Tgt Ion: 63 Resp: 46

Ion Ratio Lower Upper

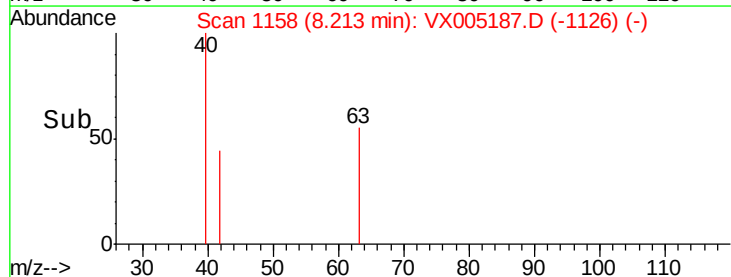
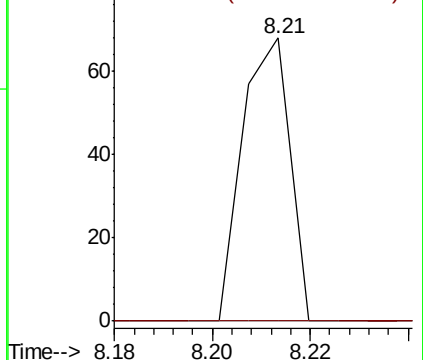
63 100

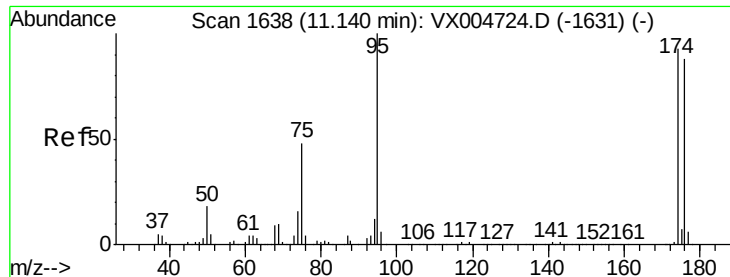
106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

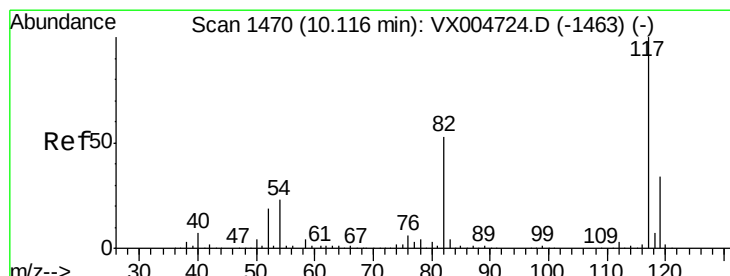
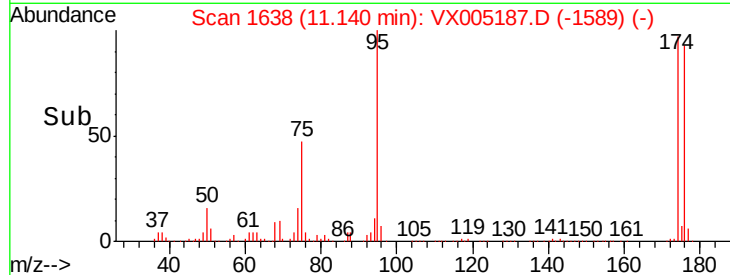
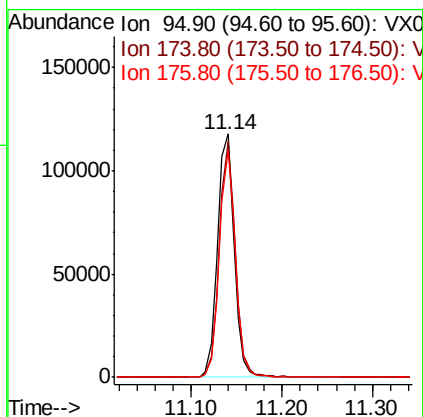
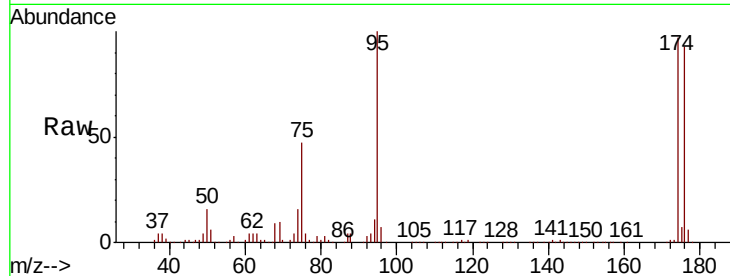




#62
4-Bromofluorobenzene
Concen: 52.748 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005187.D
Acq: 10 Oct 2018 04:45

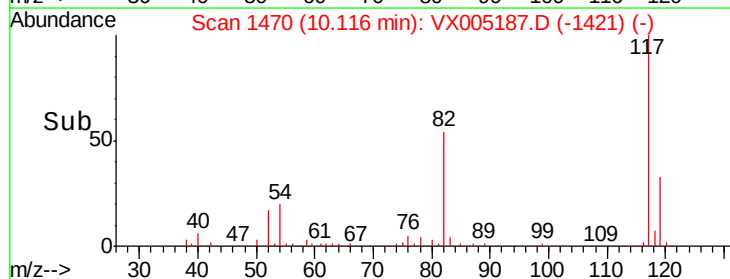
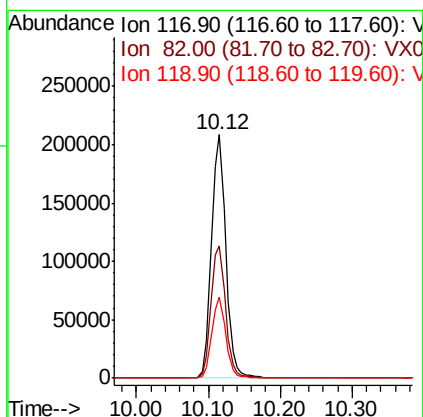
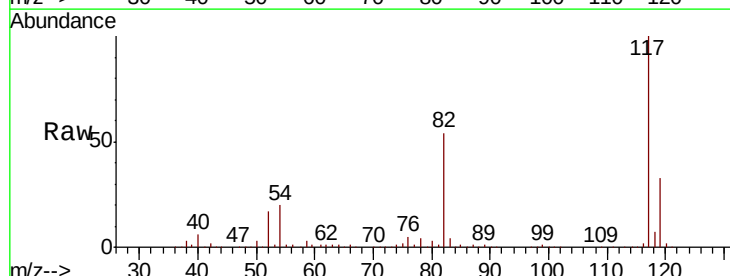
Instrument :
MSVOA_X
ClientSampleId :
TT-DUP03-20181003

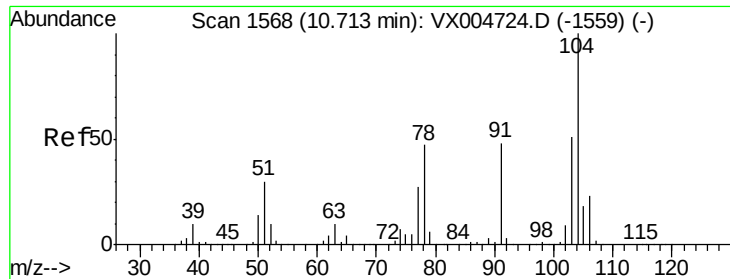
Tot Ion: 95 Resp: 152119
Ion Ratio Lower Upper
95 100
174 93.9 0.0 185.0
176 89.6 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005187.D
Acq: 10 Oct 2018 04:45

Tgt Ion: 117 Resp: 287118
Ion Ratio Lower Upper
117 100
82 54.4 42.2 63.4
119 33.0 27.4 41.0





#70

Stvrene

Concen: 2.167 ug/l

RT: 10.72 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VX005187.D

Acq: 10 Oct 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

TT-DUP03-20181003

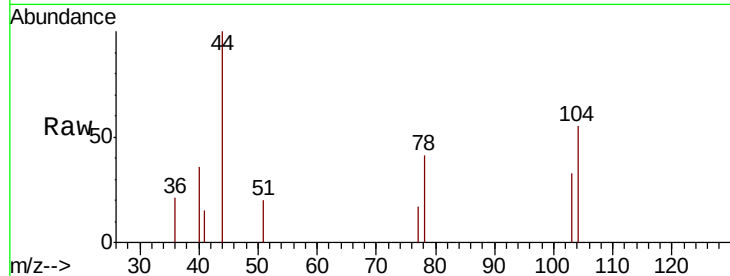
Tot Ion:104 Resp: 216

Ion Ratio Lower Upper

104 100

78 115.7 40.0 60.0#

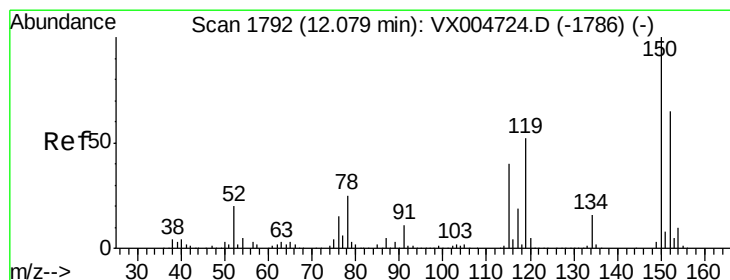
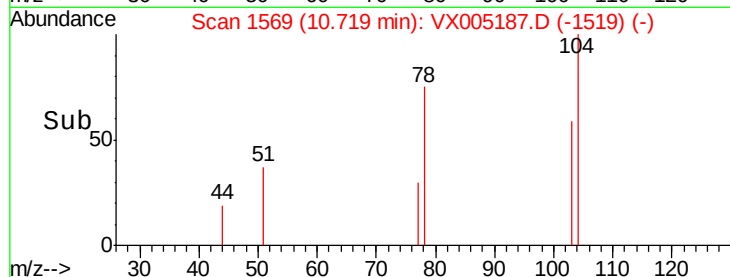
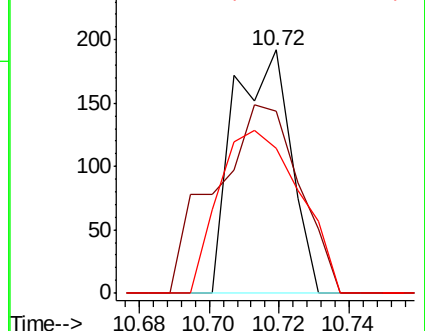
103 95.8 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005187.D

Acq: 10 Oct 2018 04:45

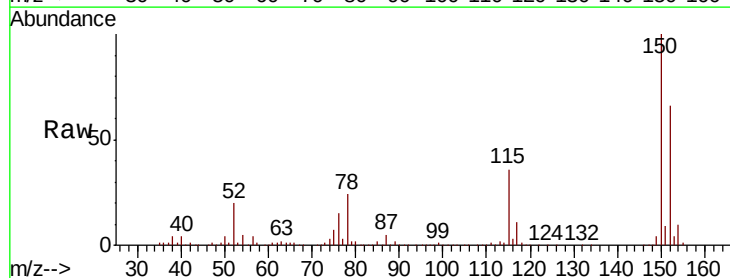
Tgt Ion:152 Resp: 162840

Ion Ratio Lower Upper

152 100

115 55.4 40.2 120.6

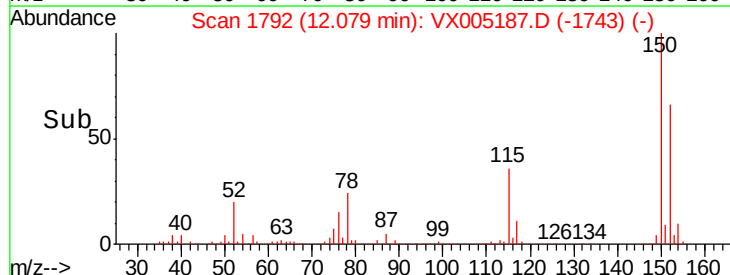
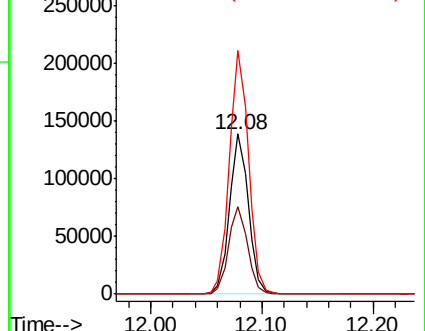
150 154.6 0.0 351.0

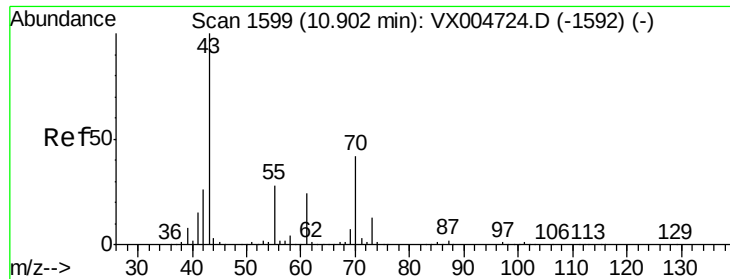


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

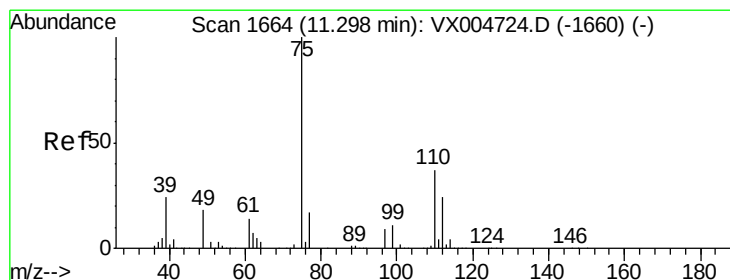
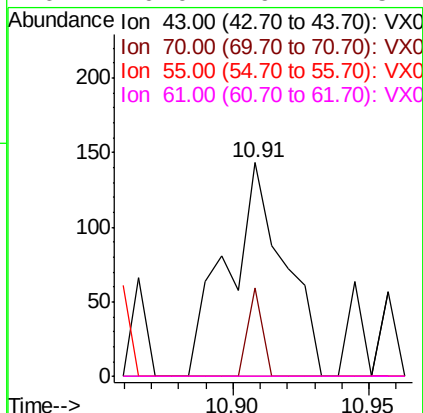
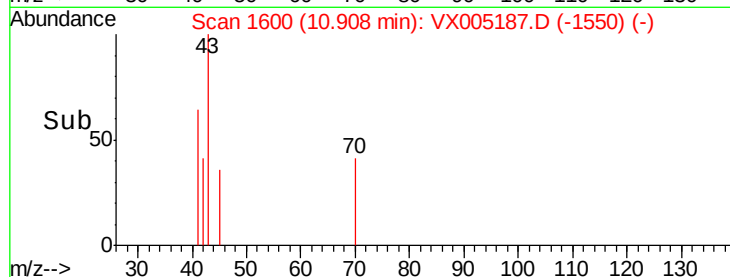
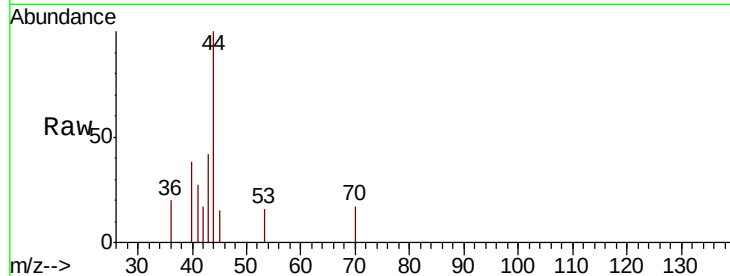




#74
N-amvl acetate
Concen: 1.783 ug/l
RT: 10.91 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX005187.D
Acq: 10 Oct 2018 04:45

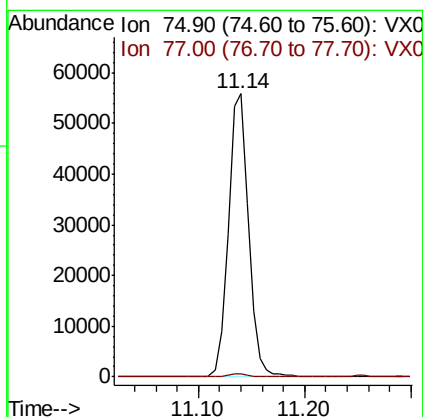
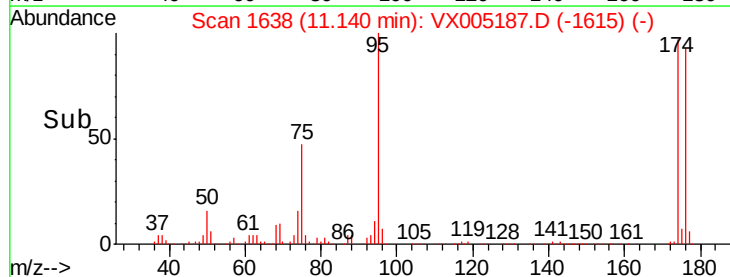
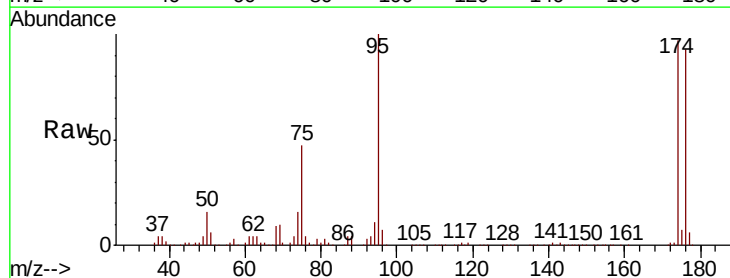
Instrument :
MSVOA_X
ClientSampleId :
TT-DUP03-20181003

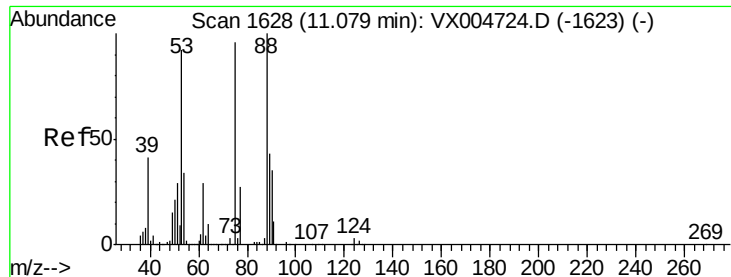
Tot Ion: 43 Resp: 207
Ion Ratio Lower Upper
43 100
70 0.0 32.6 48.8#
55 0.0 21.6 32.4#
61 0.0 19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 20.356 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005187.D
Acq: 10 Oct 2018 04:45

Tgt Ion: 75 Resp: 74295
Ion Ratio Lower Upper
75 100
77 1.2 21.4 64.3#

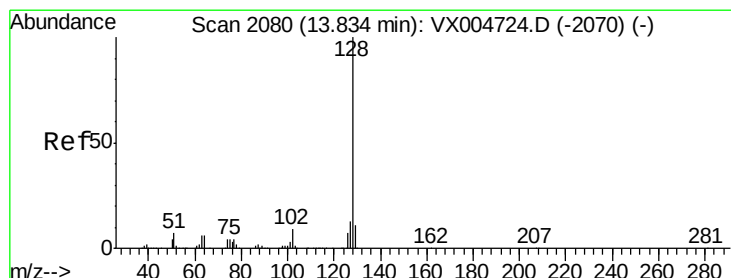
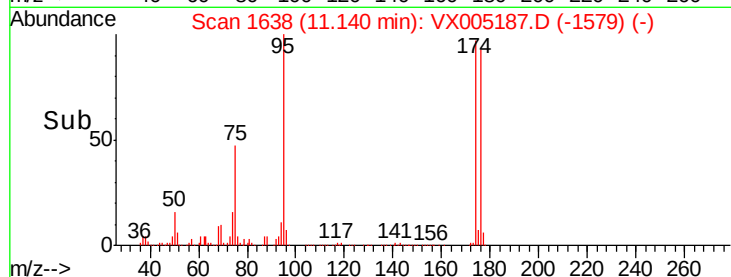
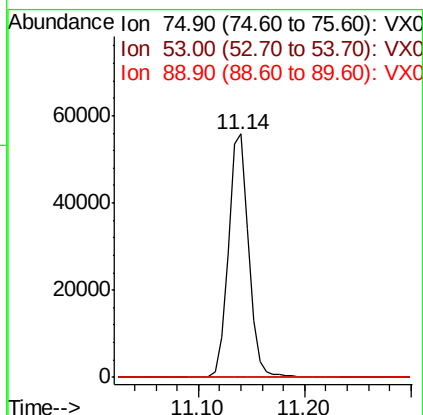
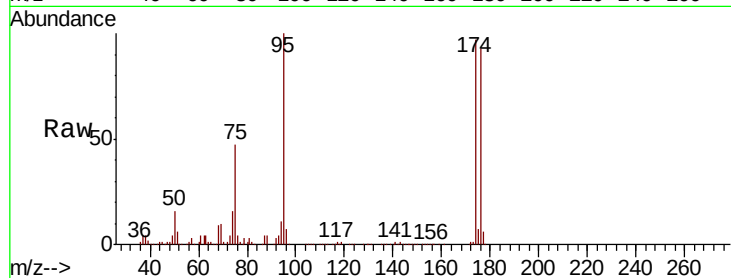




#81
trans-1,4-Dichloro-2-butene
Concen: 55.298 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX005187.D
Acq: 10 Oct 2018 04:45

Instrument :
MSVOA_X
ClientSampleId :
TT-DUP03-20181003

Tot Ion: 75 Resp: 74295
Ion Ratio Lower Upper
75 100
53 0.3 80.2 120.4#
89 0.0 37.1 55.7#



#95
Naphthalene
Concen: 0.824 ug/l
RT: 13.84 min Scan# 2081
Delta R.T. 0.01 min
Lab File: VX005187.D
Acq: 10 Oct 2018 04:45

Tgt Ion:128 Resp: 1431
Ion Ratio Lower Upper
128 100
127 9.7 10.4 15.6#
129 12.1 8.7 13.1

